

AD A 052834



SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
Novaya Zemlya, SSR 20 October 1976

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February 1978

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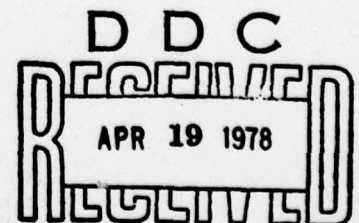
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SDCS Event Report No. 118

Novaya Zemlya, SSR 20 October 1976

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is:

	"P" Arrival	Origin Time	Lat.	Long.	m_b	M_s
LASA	08:10:04.6	Unpublished	75.5N	053.0E	5.1	N/A
Hagfors	08:04:35	08:00:07	74N	050E	5.7	N/A

All SDCS stations were operational during this time period, and all recorded positive short-period signals for this event. Horizontal channels were rotated at all stations except NT2NV which had an inoperative SPT trace. Long period at all SDCS stations was negative.

LASA short-period data is from the LASA Data Center Teleseismic Report. Hagfors short-period data is from their bulletin.

Only NORSAR short-period waveform data could be recovered from the SDAC/VELA network detection processor.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response)

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STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES DEG MN SECS	ELEVATION METERS	INSTRUMENTATION	
				SHORT-PERIOD	LONG-PERIOD
HN-ME	Houlton, Maine	46 09 43.0 N 067 59 09.0 W	213	KS36000	KS36000
RK-ON	Red Lake, Ontario	50 50 20.0 N 093 40 20.0 W	366	18300	SL210 V SL220 H
OB2NV	Nevada Test Site	37 13 31.0 N 116 03 28.0 W		18300	N/A
NT-NV	Nevada Test Site	31 16 33.0 N 116 25 06.0 W		18300	N/A
NT2NV	Nevada Test Site	37 15 16.0 N 116 18 13.0 W		18300	N/A
LASA	Billings, Montana	46 41 19.0 N 106 13 20.0 W	744	HS10	7505A V 8700C H
NORSAR	Kjeller, Norway	60 49 25.4 N 010 49 56.5 E	379	HS10	7505A V 8700C H

PFEDA -- TRAVEL TIME PREDICTIONS --

20OCT INPUT FOR EVENT 20 OCT 76
08:00:00.0 73.001N 55.000E 0KM.

STA.		TIME	SURF(O.KM.) TRAV.TIME	DIST DEG.	KM.	EVT-STA	STI-EVT
HFS	P	08 04 36.0	4:36.0	20.28	2254.5337	252.421	34.078
NAO	P	08 04 38.7	4:38.7	20.52	2281.7690	256.894	35.783
RK-ON	P	08 09 28.4	9:28.4	54.57	6067.5977	336.134	10.819
HN-ME	P	08 09 30.4	9:30.4	54.84	6098.0703	314.512	17.567
LAO	P	08 10 06.1	10:06.1	59.90	6660.5937	345.159	6.284
NT-NV	P	08 11 11.5	11:11.5	69.86	7767.7617	352.716	2.680
NT2NV	P	08 11 11.6	11:11.6	69.87	7769.7031	352.603	2.721
OB3NV	P	08 11 11.6	11:11.6	69.89	7771.0234	352.405	2.792
OB2NV	P	08 11 11.7	11:11.7	69.89	7771.8672	352.407	2.791

67 HERPIN TRAVEL TIME TABLES

	SURF
6 . 0	
1 . 0	
0 0. 0	
0	
0 2. 0	
0	
0 . 0	

95 PERCENT CONFIDENCE ON DEPTH CHISQUARE WITH DISTANCE VARIANCE = \pm 0.000

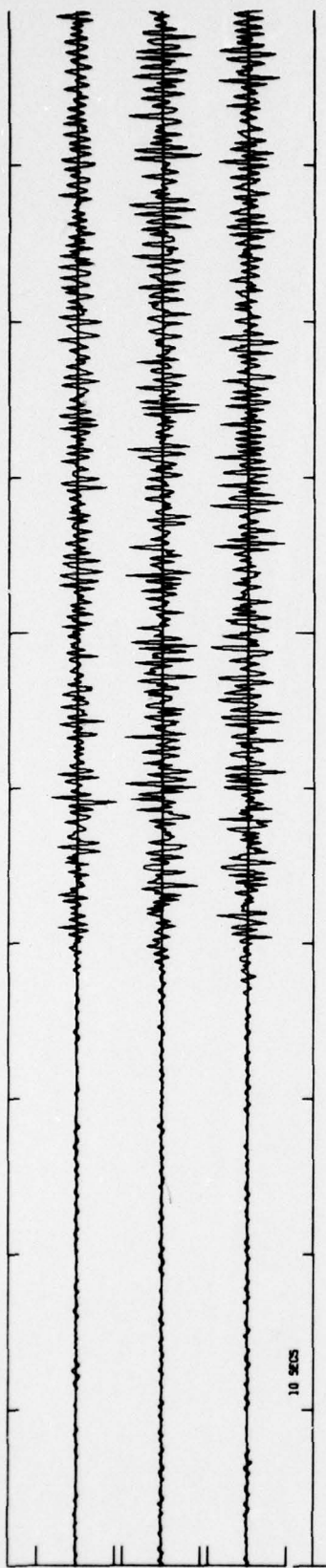
N8010BHN6504Z
27% 4 VOLUME
(M 2 1)

N8010BHN666Z
23% 4 VOLUME
(M 2 2)

N8010BHN752Z
27% 4 VOLUME
(M 2 3)

1 IN
UNIT

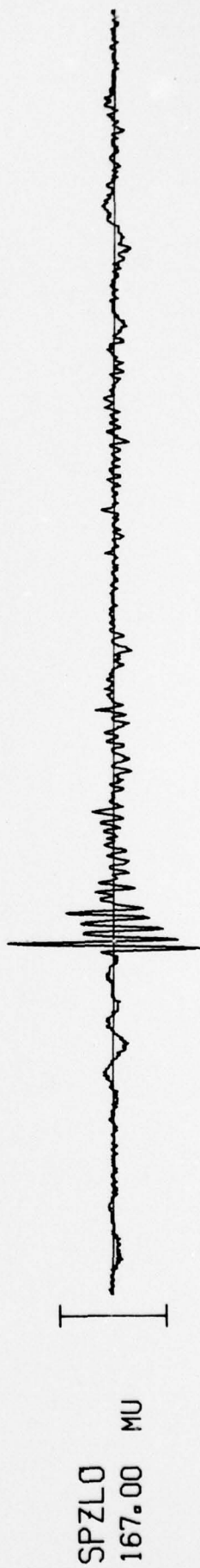
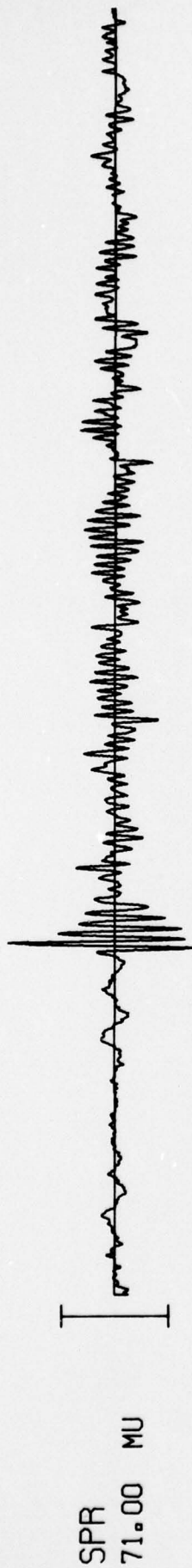
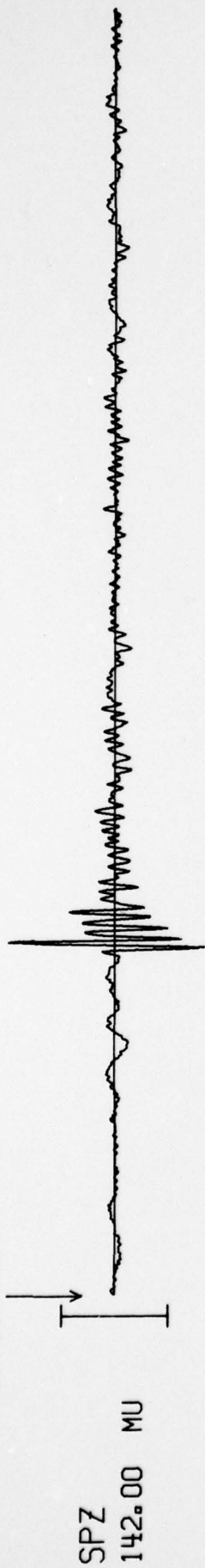
TIME 5.0 SECMET



NORSAR SHORT PERIOD BEAMS

RK-ON 20 OCT 76

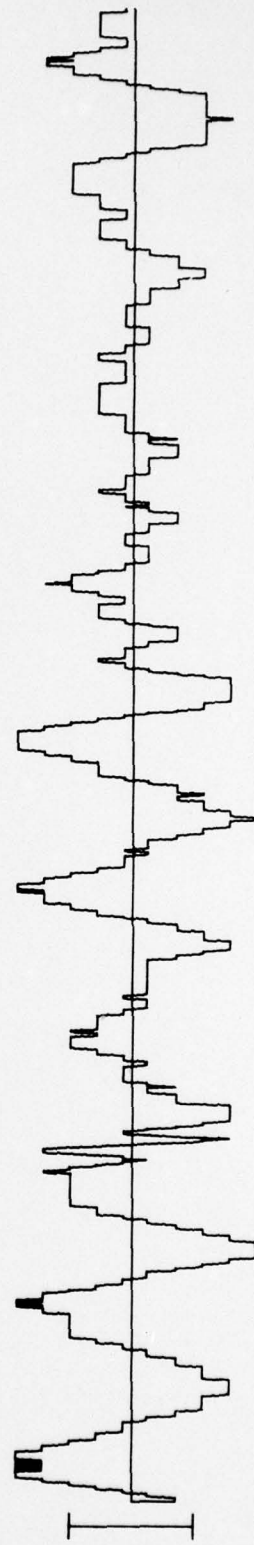
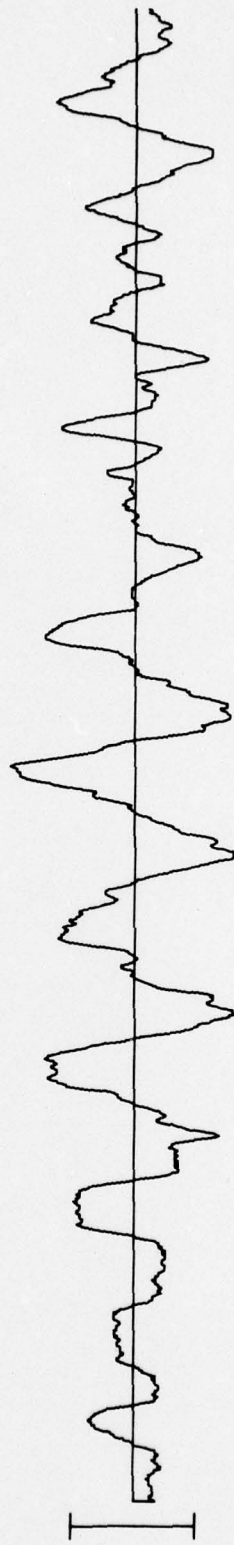
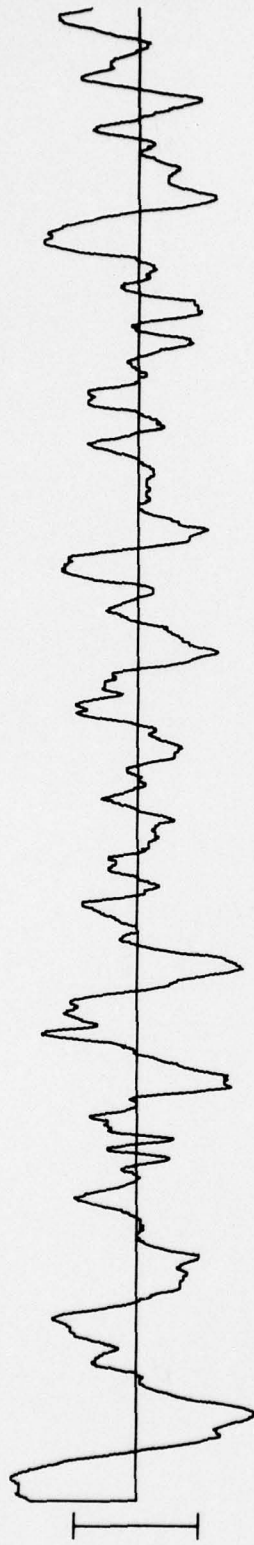
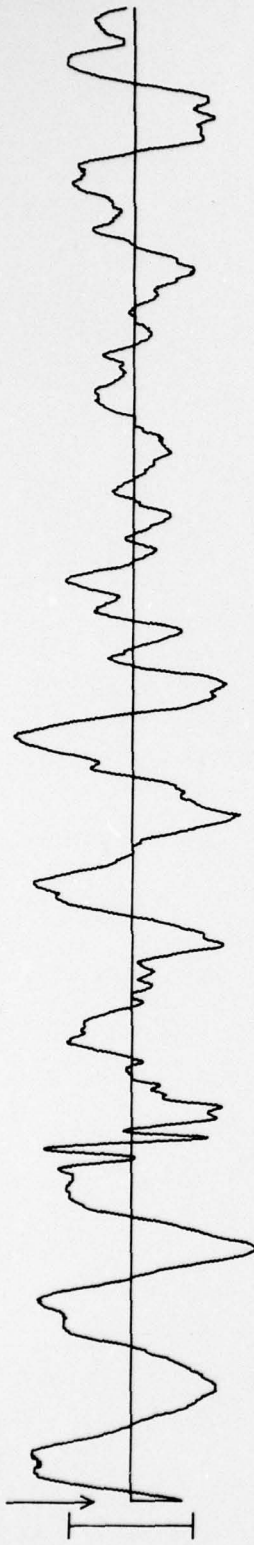
08:09:10.0



[10 SEC]

HN-ME 20 OCT 76

08:09:15.0



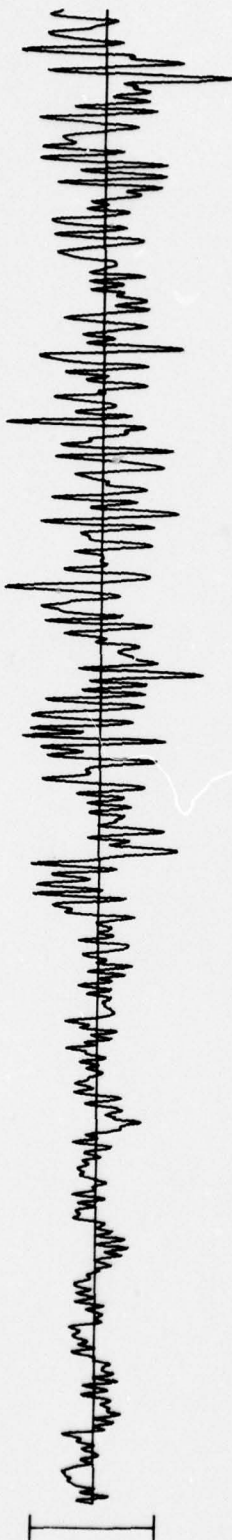
10 SEC

NT-NV 20 OCT 76

08:10:55.0



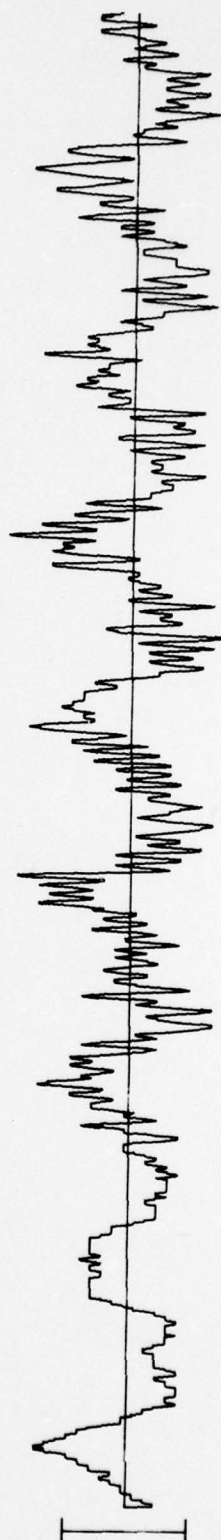
SPZ
102.48 MU



SPR
70.52 MU



SPT
64.49 MU



SPZLO
119.88 MU

10 SEC

NT2NV 20 OCT 76

SPZ
10.25 MU



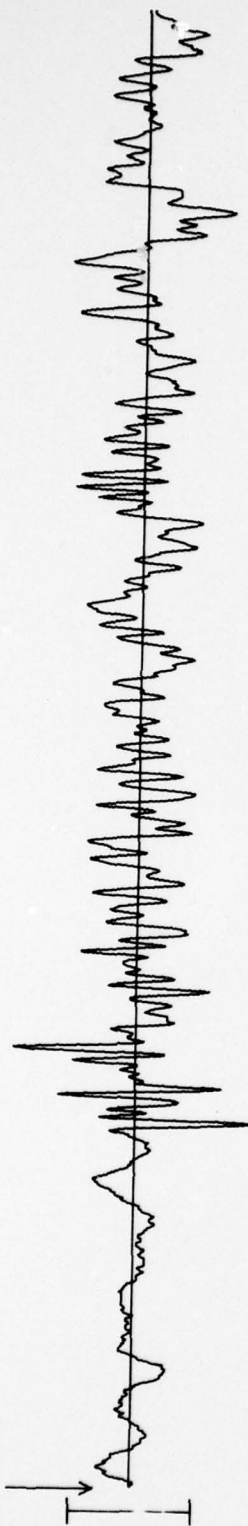
SPR
9.81 MU



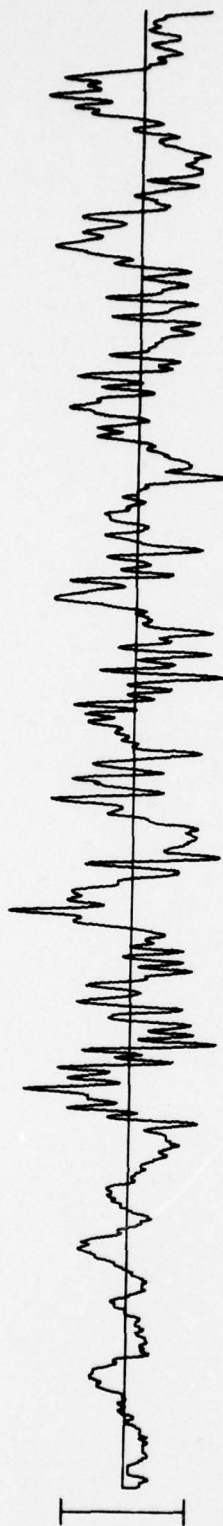
OB2NV 20 OCT 76

08:10:55.0

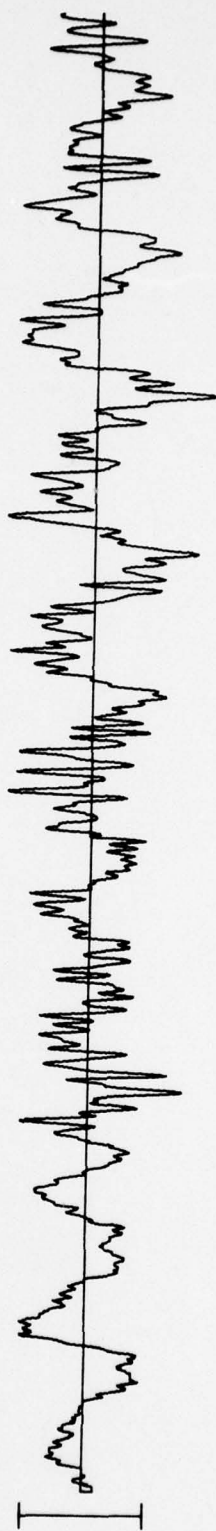
SPZ
4.91 MU



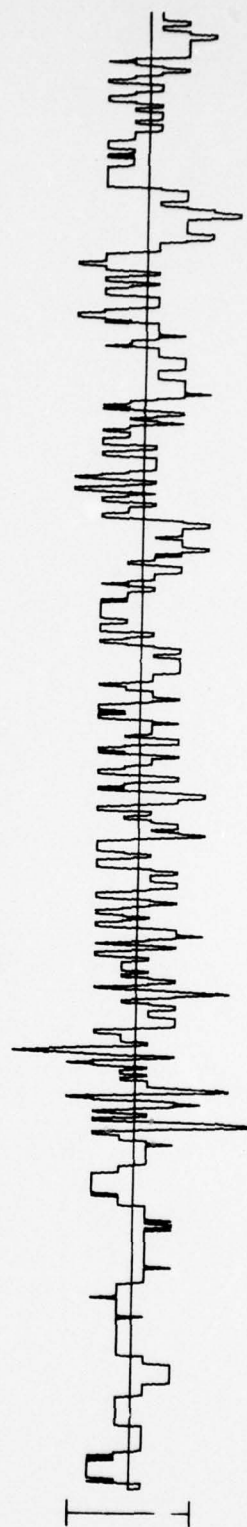
SPR
3.10 MU



SPT
3.02 MU



SPZLO
5.27 MU



10 SEC